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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/480,344	01/10/2000	KEVIN MICHAEL RUPPELT	9D-EC-19337	4210
7590	10/24/2006		EXAMINER	
John S. Beulicck Armstrong Teasdale LLP Suite 2600 One Metropolitan Square St. Louis, MO 63102			ROSEN, NICHOLAS D	
			ART UNIT	PAPER NUMBER
			3625	
DATE MAILED: 10/24/2006				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/480,344	RUPPELT ET AL.	
	Examiner	Art Unit	
	Nicholas D. Rosen	3625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 09 August 2006.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1,3-9, 11-14, 16-26 and 28-45 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1, 3-9, 11-14, 16-26, 28-45 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 10 January 2000 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on August 9, 2006 has been entered.

Claims 1, 3-9, 11-14, 16-26, and 28-45 have been examined.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1, 3-9, 11-14, 16-26, and 28-45 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rofrano (U.S. Patent 6,035,283) in view of Sammon, Jr. et al. (U.S. Patent 6,012,051), Janssen (U.S. Patent 5,784,850), and Gautestad (U.S. Patent Application Publication 2005/0171947).

Rofrano discloses a method, tool, computer, and program product for product selection assistance (col. 1, lines 6-14) comprising, *inter alia*, receiving a product category selection (col. 4, lines 34-38); matching the selection against a product database (Abstract); displaying a product matrix (col. 3, lines 55-62; and Table I); presenting a configuration question (col. 4, lines col. 39-42); receiving a configuration answer (col. 4, lines 34-38); and responsively updating the product matrix comprising removing the selected product configuration parameter from the matrix (note box "207" in Fig. 2; and col. 3, lines 55-62). Product color is disclosed (col. 3, lines 55-57). The database described by Rofrano is interpreted as comprising a hard disk storage medium. Model identifiers are considered to be disclosed under the category "ProductName" in Table 1. Such model identifiers are considered to be Rofrano's generic representations of brand name.

Rofrano does not disclose displacing the selected product configuration parameter to a visible location outside the product matrix.

Sammon, Jr., however, in a similar product selection method, tool, and program product (col. 1, lines 6-12) teaches maintaining selected product configuration parameters along a side of a navigation window (col. 12, lines 19-43; and Fig. 4: "200"- "203").

It would have been obvious to one of ordinary skill in the art to have provided the invention of Rofrano to have included displacing the selected product configuration parameter to a visible location outside the product matrix in order to have assisted the user regarding the user's position in a sequence of questions/answers as well as the user's progress in narrowing the product choices (Sammon, Jr.: col. 12, lines 44-48).

Although the combination of Rofrano and Sammon, Jr. et al. teaches displacing the selected product configuration parameter to a visible location outside the product matrix, the combination of Rofrano and Sammon, Jr. et al. does not teach displaying outside the product matrix the product configuration answer, per se. The Examiner notes that such feature is described in the instant specification at the paragraph bridging pages 9 and 10 and is shown in Figure 4 (e.g. "404").

Now comes Janssen.

Janssen, in a similar method, tool, and program product for product selection assistance (col. 1, lines 12-16; col. 4, line 32-col. 5, line 3), teaches that a product configuration question is presented to a user who responds with an answer to such question. Janssen further teaches that the user is provided with a screen which progressively displays a cumulative listing of the answers (i.e. configuration parameters) provided by the user. Applicant's attention is directed to Figures 3 and 4 and col. 4, lines 39-41. For example, Figure 4 has an additional entry (as compared to Figure 3) of "\$350,000". The additional entry indicates that the user selected \$350,000 as the maximum price in display screen 300 of Figure 3 (see col. 4, lines 49-52).

It would have been obvious to one of ordinary skill in the art to have further modified the combination of Rofrano and Sammon, Jr. et al. to have to have included the teaching of Janssen of providing the product configuration answers in a manner consistent with the provision of the product configuration parameters already taught by Sammon, Jr. et al. in order that the user may be continuously apprised of all previous configuration answers at any point in their selection process, thereby providing a cumulative listing of their navigation through product selection choices to that point and visually presenting the user a ready reference to all chosen configuration values (consistent with the teaching of Sammon, Jr. et al. noted above) and in order to decide whether to move forward in the process or to move backward in the process (depending on whether or not previous selections are providing desired results) (see Janssen: column 4, lines 39-43).

Rofrano does not disclose displaying the updated product matrix, the previous product configuration question, and a new product configuration question in a same display page, but it is well known to display multiple features in a same display page, as taught by Gautestad (Figure 5B; paragraphs 66 and 67), where an updated product matrix is displayed ("286") together with the previous choice of category, equivalent to a product configuration question ("282"), and a button for displaying a new product configuration ("284"). Hence, it would have been obvious to one of ordinary skill in the art of electronic commerce at the time of applicant's invention to display these features in a same display page, for the obvious advantage of enabling a user to readily see these different features, and act accordingly, as by clicking on a desired button.

Regarding claim 11

See Rofrano at col. 4, line 29-coi. 4, line 42.

Regarding claims 13, and 18

See Rofrano (first Q/A) at col. 4, lines 53-54.

Regarding claims 3, 16, and 28

The combination of Rofrano and Sammon, Jr. et al. does not teach inserting an additional product configuration parameter in the product matrix to replace the selected product configuration.

However, it is noted that Rofrano teaches a question script (col. 4, lines 42-65) which amounts to a succession of questions that are presented once an answer to a previous question is answered. Rofrano also teaches that each answer has the ability to link other lines of questioning--thereby creating the "Question and Answer Tree" (col. 3, lines 46-52).

It would have been obvious to one of ordinary skill in the art to have further modified the combination of Rofrano and Sammon, Jr. et al. to have inserted additional product configuration parameters in the product matrix to replace the selected product configuration parameter in order to continuously and dynamically update and fine tune the matrix owing to the "Question and Answer Tree" taught by Rofrano.

Regarding claims 30-45

The combination of Rofrano and Sammon, Jr. et al. does not teach that the products are specifically a refrigerator, a washer, a dryer, or an air conditioner.

Rofrano, however, teaches that his invention provides a way for employing the vast knowledge of a skilled sales agent to assist actual shoppers using an electronic catalog (col. 3, lines 8-10). Rofrano uses an example of a camera as a type of product which often requires knowledgeable input from a sales agent.

Despite being silent to other specific products, it is clear that products such as refrigerators, washers, dryers, and/or air conditioners could have been employed in the Rofrano invention. This is because such products are known to be offered in various configurations across brand lines and across model lines, for example. The input of a skilled sales agent is invaluable when trying to arrive at a selection of one of these products in the same manner as arriving at a selection of a camera (as already taught by Rofrano). Accordingly, it would have been obvious to one of ordinary skill in the art to have further provided the combination of Rofrano and Janssen to have allowed for the consideration of refrigerators, washers, dryers, and/or air conditioners in order to have provided the benefit of the knowledge of a sales agent in the complex consideration of such products.

Regarding claims 4, 6, 9, 17, 19-24, 29, and 38-41

Rofrano does not explicitly disclose a "web" environment, and accordingly Rofrano does not explicitly teach user interfaces typical of a "web" environment. Such

interfaces include toggle buttons, other buttons (i.e. "Compare" buttons), hyperlinks, etc

....

However, it is noted that Rofrano recognizes that similar product selection methods, tools, and program products are employed in a "web-type" environment. Rofrano acknowledges catalogs being offered through dial-up computer services such as PRODIGY (TM) (col. 1, lines 29-37).

Sammon, Jr. et al., however, employing a "web" environment by providing a web page comprising a plurality of user input interfaces (see Figs. 4-13 and their respective descriptions). Sammon, Jr. et al. teaches that such input interfaces may comprise check boxes (col. 12, lines 52-56), toggles (col. 13, lines 7-10), buttons (col. 13, lines 30-33), and, of course, support of hyperlinks (col. 5, lines 56-56-62).

It would have been obvious to one of ordinary skill in the art to have provided the invention of Rofrano to have been provided in a "web" environment and to have made use of known input interfaces such as web pages incorporating buttons, toggles, hyperlinks, etc... (such as taught by Sammon, Jr.) in order to have taken advantage of the World Wide Web as an extensive communications network.

Regarding claims 4, 24, and 29

Rofrano teaches the presentation of products for the purposes of providing a "side-by-side" comparison (col. 4, lines 38-41). Rofrano, however, does not teach the activation of toggle buttons and a "Compare" button to arrive at such "side-by-side" comparison.

Art Unit: 3625

However, and as noted above, Sammon, Jr. teaches the use of toggles and buttons in order to allow the user to input instructions to their "web-based" invention.

It would have been obvious to one of ordinary skill in the art to have provided the invention of Rofrano to have included the "web-based" functionality of Sammon, Jr. in order to have allowed the user to have designated products for a side-by-side comparison at any time and to have arrived at the "side-by-side" comparison display such as that already taught by Rofrano.

Regarding claim 6

Rofrano does not teach formatting model identifiers as hyperlinks. However, and as noted above, Sammon, Jr. teaches the use of HTML, which supports hyperlinking.

It would have been obvious to one of ordinary skill in the art to have hyperlinked any identifier in order to have provided an easily accessible source for information particular to the identifier. Such functionality of hyperlinking is well-known in the art and would have served to have provided cross-referencing between a page and other arrangements of related information -- i.e. one or more other pages.

Regarding claims 7 and 20

The combination of Rofrano and Sammon, Jr. does not teach the specific column headings recited here.

However, the differences between the Rofrano headings (see Table 1) and those of the instant invention lie solely in the nature of the descriptive material. In the instant

case, the descriptive material is non-functional since it does not affect or effect the underlying display of data. Accordingly, such specific headings cannot serve to patentably distinguish the instant invention from any other obvious variation of the Rofrano headings--any such variations being obvious variations of the headings already taught by Rofrano.

Regarding claims 8 and 21

Rofrano, thus modified to include the obvious headings of claim 7, still does not provide an "input and sort" functionality.

However, and as discussed above, Sammon, Jr. teaches a "web" environment employing HTML.

It would have been obvious to one of ordinary skill in the art to have provided such well-known web functionality as an "input and sort" for the various displayed columns in order that the user may organize the displayed data in a desired order (e.g. in ascending order by "Price").

Regarding claims 9, 17, and 22

Rofrano does not disclose formatting product parameters as a hyperlink. However, the Examiner's position on this limitation is the same as that identified above with respect to claim 6.

Response to Arguments

Applicants' arguments with respect to claims 1, 3-9, 11-14, 16-26, and 28-45 have been considered but are moot in view of the new ground(s) of rejection. The new limitations in the independent claims, reciting that several features are displayed in the same display page, are obvious in view of Gautestad, and in Examiner's view, would likely be obvious without Gautestad, because it is well known to display multiple features together on one page, making the display of a particular set of features known in the prior art obvious unless their display together achieved some new and unforeseeable advantage.

Applicants further argue that the previous 103 rejections of the claims are not proper rejections, based on a lack of teaching or motivation to suggest the claimed combination. In response to Applicants' argument that there is no suggestion to combine the references, the examiner recognizes that obviousness can only be established by combining or modifying the teachings of the prior art to produce the claimed invention where there is some teaching, suggestion, or motivation to do so found either in the references themselves or in the knowledge generally available to one of ordinary skill in the art. See *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988) and *In re Jones*, 958 F.2d 347, 21 USPQ2d 1941 (Fed. Cir. 1992). In this case, the combination of Sammon with Rofrano is suggested by the teaching of Sammon, "to have assisted the user regarding the user's position in a sequence of questions/answers as well as the user's progress in narrowing the product choices," as set forth in the rejection above, and based on Sammon (column 12, lines 44-48).

The further combination with Janssen is also justified based on a motivation found in the references themselves, "in order to decide whether to move forward in the process or to move backward in the process (depending on whether or not previous selections are providing desired results) (see Janssen: column 4, lines 39-43)," again as set forth in the rejection made above.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The anonymous article, "Ask Jeeves and AltaVista Partner: Natural Language Question-Answering Capability Enhances Leading Search Service," discloses displaying various further questions in response to a user's search question.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nicholas D. Rosen whose telephone number is 571-272-6762. The examiner can normally be reached on 8:30 AM - 5:00 PM, M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey A. Smith can be reached on 571-272-6763. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Non-official/draft communications can be faxed to the examiner at 571-273-6762.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

Art Unit: 3625

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Nicholas D. Rosen

**NICHOLAS D. ROSEN
PRIMARY EXAMINER**

October 16, 2006